International Standard

ISO/IEC 26138

Information technology — OpenID connect — OAuth 2.0 multiple response type encoding practices

First edition
2024-10

Reference number
ISO/IEC 26138:2024(en)

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This document was prepared by the OpenID Foundation (OIDF) (as OAuth 2.0 Multiple Response Type Encoding Practices) and drafted in accordance with its editorial rules. It was adopted, under the JTC 1 PAS procedure, by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

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Abstract

This specification provides guidance on the proper encoding of responses to OAuth 2.0 Authorization Requests in which the request uses a Response Type value that includes space characters. Furthermore, this specification registers several new Response Type values in the OAuth Authorization Endpoint Response Types registry.

This specification also defines a Response Mode Authorization Request parameter that informs the Authorization Server of the mechanism to be used for returning Authorization Response parameters from the Authorization Endpoint.

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1. Introduction

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1.1. Requirements Notation and Conventions

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The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in RFC 2119 [RFC2119].

In the .txt version of this document, values are quoted to indicate that they are to be taken literally. When using these values in protocol messages, the quotes MUST NOT be used as part of the value. In the HTML version of this document, values to be taken literally are indicated by the use of `this fixed-width font`.

1.2. Terminology

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This specification uses the terms "Access Token", "Authorization Code", "Authorization Endpoint", "Authorization Grant", "Authorization Server", "Client", "Client Identifier", "Client Secret", "Protected Resource", "Redirection URI", "Refresh Token", "Resource Owner", "Resource Server", "Response Type", and "Token Endpoint" defined by OAuth 2.0 [RFC6749] and the term "User Agent" defined by RFC 2616 [RFC2616]. This specification also defines the following terms:

Multiple-Valued Response Types

> The OAuth 2.0 specification allows for registration of space-separated `response_type` parameter values. If a Response Type contains one of more space characters (%20), it is compared as a space-delimited list of values in which the order of values does not matter.

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